



**Inter-Agency Perchlorate Steering Committee
Stakeholder Forum on Perchlorate Issues
May 19-21, 1998
Henderson, Nevada
Agenda**

Day 1: May 19, 1998

7:30 - 8:30 A.M. Registration

8:15 - 8:30 A.M. Administrative Announcements
Catherine McCracken, Region 9, U.S. EPA

8:30 - 9:30 A.M. Keynote Presentations

- William Farland, Director, National Center for Environmental Assessment (NCEA), U.S. EPA **ANNIE**
- Thomas W. L. McCall, Jr. Deputy Assistant Secretary, U.S. Air Force (Environment, Safety and Occupational Health) **DAN**
- Allen Biaggi, Deputy Administrator, Nevada Division of Environmental Protection **BRENDA**

9:30 - 12:00 P.M. Session 1 - Background

9:30 - 10:15 A.M. Overview and History of the Perchlorate Problem,
Time-line for Ongoing Activities on Perchlorate **ANNIE**

- Lt. Col. Dan Rogers, U.S. Air Force, Wright Patterson Air Force Base, Ohio

10:15 - 10:30 A.M. Break

10:30 - 11:00 A.M. Perchlorate Occurrence **ANNIE**

- Kevin Mayer, Region 9, U.S. EPA, San Francisco, California
- Brenda Pohlmann, Nevada Department of Environmental Protection, Las Vegas, Nevada

11:00 - 11:30 A.M. Tribal Concerns Regarding Perchlorate **KEVIN**

11:30 - 12:00 P.M. Facilitated Audience Discussion

- Facilitation Team

12:00 - 1:15 P.M. Lunch

1:15 - 5:30 P.M. Session 2 - Perchlorate Health Effects/Toxicity

- 1:15 - 2:15 P.M. Background and Objective of Ongoing Studies
- Annie Jarabek, National Center for Environmental Assessment (NCEA), U.S. EPA, Research Triangle Park, North Carolina
- 2:15 - 2:45 P.M. Mechanisms of Thyroid Toxicity
- Kevin Crofton, National Health and Environmental Effects Lab (NHEERL), U.S. EPA. Research Triangle Park, North Carolina
- 2:45 - 3:30 P.M. Development of Study Protocols, Status of Studies, QA/QC Procedures
- Dave Mattie, Air Force Research Lab, Wright Patterson AFB, Ohio
- 3:30 - 3:45 P.M. Break
- 3:45 - 3:55 P.M. Development of Revised Reference Dose/Risk Assessment
- Annie Jarabek, NCEA, U.S. EPA
- 3:55 - 4:15 P.M. External Peer Review of Risk Assessment
- Peter Grevatt, Office of Solid Waste and Emergency Response (OSWER), U.S. EPA, Washington, D.C.
- 4:15 - 4:30 P.M. Update - Office of Water Regulatory and Policy Activities
- Mike Osinski, Office of Water (OW). U.S. EPA, Washington, D.C.
- 4:30-5:30 P.M. Facilitated Discussion
- Facilitation Team

Day 2: May 20, 1998

8:15 - 8:30 A.M. Summary of Previous Day

8:30 - 10:15 A.M. Session 3 - Ecological Impacts/Transport and Transformation

- 8:30 - 8:55 A.M. Introduction/Background/Transport and Transformation
- Cornell Long, Human Systems Center, Brooks AFB, Texas
- 8:55 - 9:20 A.M. Historical Studies/Applicability
- Ron Porter, Human Systems Center, Brooks AFB, Texas
- 9:20 - 9:45 A.M. Proposed Activities - Data Gaps/Future Direction
- Mark Sprenger, Environmental Response Team Center, U.S. EPA, Edison, New Jersey

9:45-10:15 A.M.	Facilitated Discussion - Facilitation Team
10:15 - 10:30 A.M.	Break
10:30 - 2:15 P.M.	Session 4 -Analytical Methods
10:30 -10:45 A.M.	Background on Analytical Techniques and Pending Interlab Study - Stephen Pia, National Environmental Research Lab (NERL), Las Vegas, Nevada
10:45 -11:30 A.M.	Analysis of Perchlorate by Ion Chromatography (IC) - Howard Okamoto, California Department of Health Services (DHS), Berkeley, California
11:30 -12:15 P.M.	Improved IC Method for Low Level Perchlorate Analysis - Peter Jackson, Dionex Corporation,
12:15 -1:30 P.M.	Lunch
1:30 -2:15 P.M.	Facilitated Discussion - Facilitation Team
2:15 - 5:00 P.M.	Session 5 - Treatment Technology
2:15 - 2:30 P.M.	Background - Ed Urbansky, National Risk Management Research Lab (NRMRL), U.S. EPA
2:30 - 2:45 P.M.	Introduction to Past and Current Treatment Studies - Wayne Praskins, U.S. EPA Region 9
2:45 - 3:00 P.M.	Biological Treatment of Wastewater - Jim Hurley, Air Force Research Lab, Tyndall AFB, Florida
3:00 - 3:15 P.M.	Biological Treatment of Low Level Perchlorate Contamination - John Catts, Baldwin Park Operable Unit Steering Committee
3:15 - 3:30 P.M.	Break
3:30 - 3:45 P.M.	Perchlorate Treatment by Ion Exchange - Rick Sase, Main San Gabriel Basin Watermaster

- 3:45- 4:00 P.M. Perchlorate Treatment by Enhanced Coagulation and Advanced Oxidation Membranes
- Jeanne Marie Bruno, Metropolitan Water District of Southern California
- 4:00 - 4:15 P.M. Future Treatment Studies
- Frank Blaha, American Water Works Association Research Foundation
- 4:15 - 5:00 P.M. Facilitated Discussion
- Facilitation Team
- 7:00 - 9:00 P.M. **Public Availability Session**

Day 3: May 21, 1998

- 8:30 - 12:00 P.M. **Session 6 - Summary, Next Steps**
- 8:30 - 9:30 A.M. Summary of Discussions from Days 1 & 2
- 9:30 - 11:30 A.M. Facilitated Panel/Audience Discussion
- IPSC Steering Committee
- Facilitation Team
- 11:30 - 12:00 P.M. Wrap-up, Next Steps, Time-Line
- 1:30 - 3:30 P.M. Inter-Agency Perchlorate Steering Committee Meeting



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COMMENTS: Thanks for volunteering and I appreciate your willingness to help. Here is the agenda. Please let me know if you are missing any of the pages.	

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